

**FIG. 1**

APPROVED	BY	CL	O.G. FIG.	CLASS	SUBCLASS
DRAFTSMAN					

Applicant: Holmes et al.  
Serial No.: 09/742,545  
Atty. Dkt. No.: 9D-HR-19396  
Title: REFRIGERATOR - ELECTRONICS ARCHITECTURE  
John S. Beulick; Armstrong Teasdale LLP, One Metropolitan Square,  
St. Louis, MO 63102 (314) 621-5070

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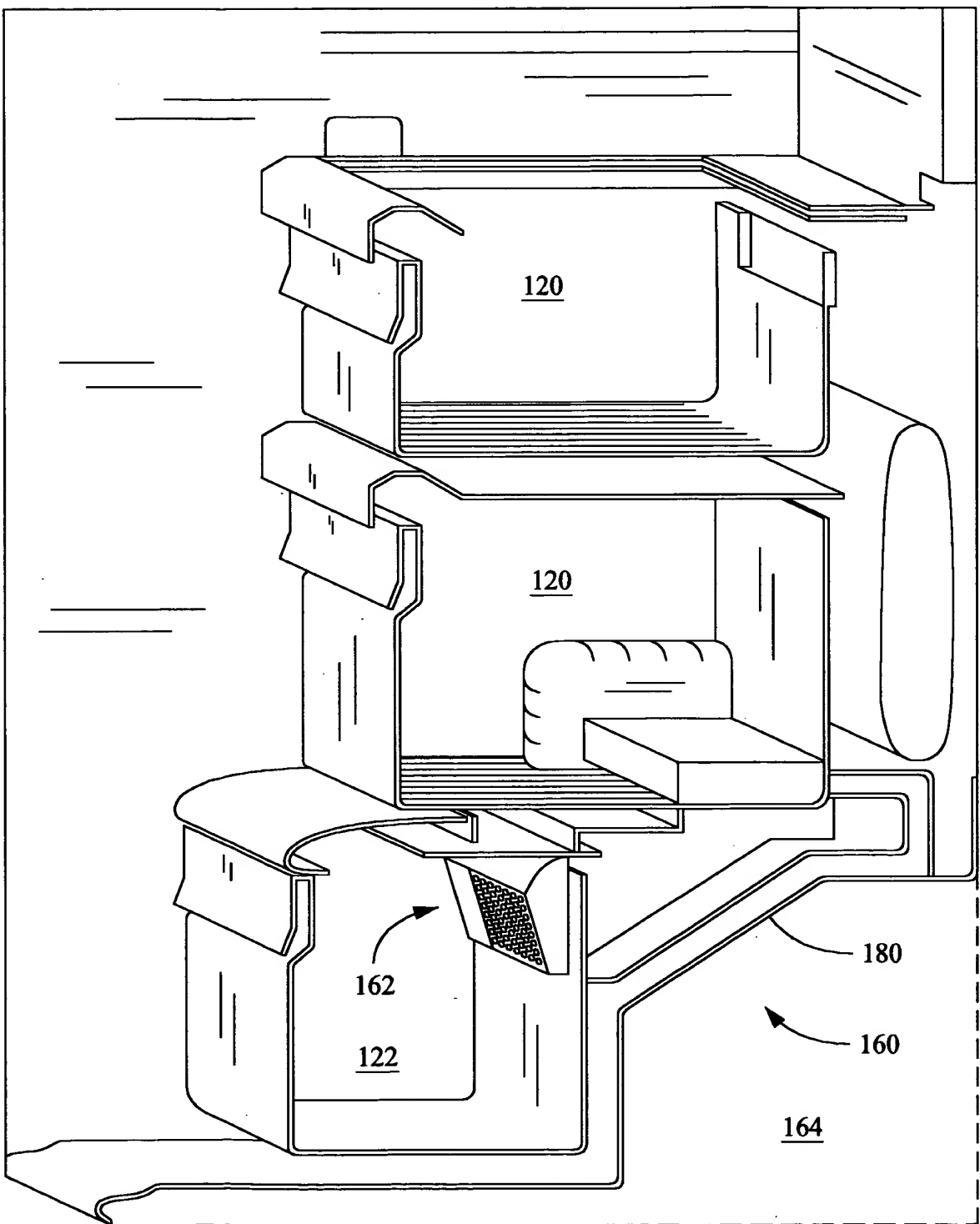


FIG. 2

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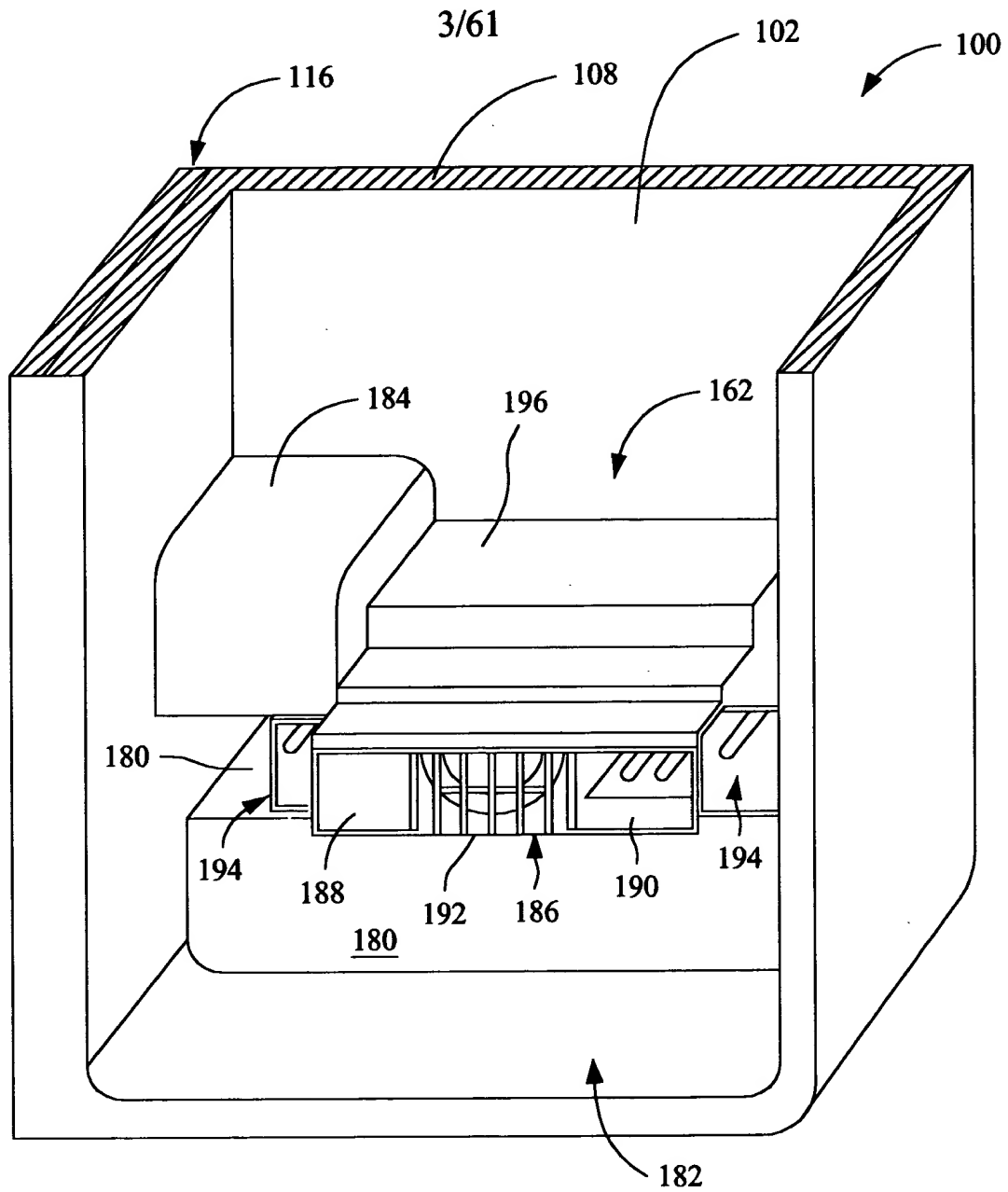


FIG. 3

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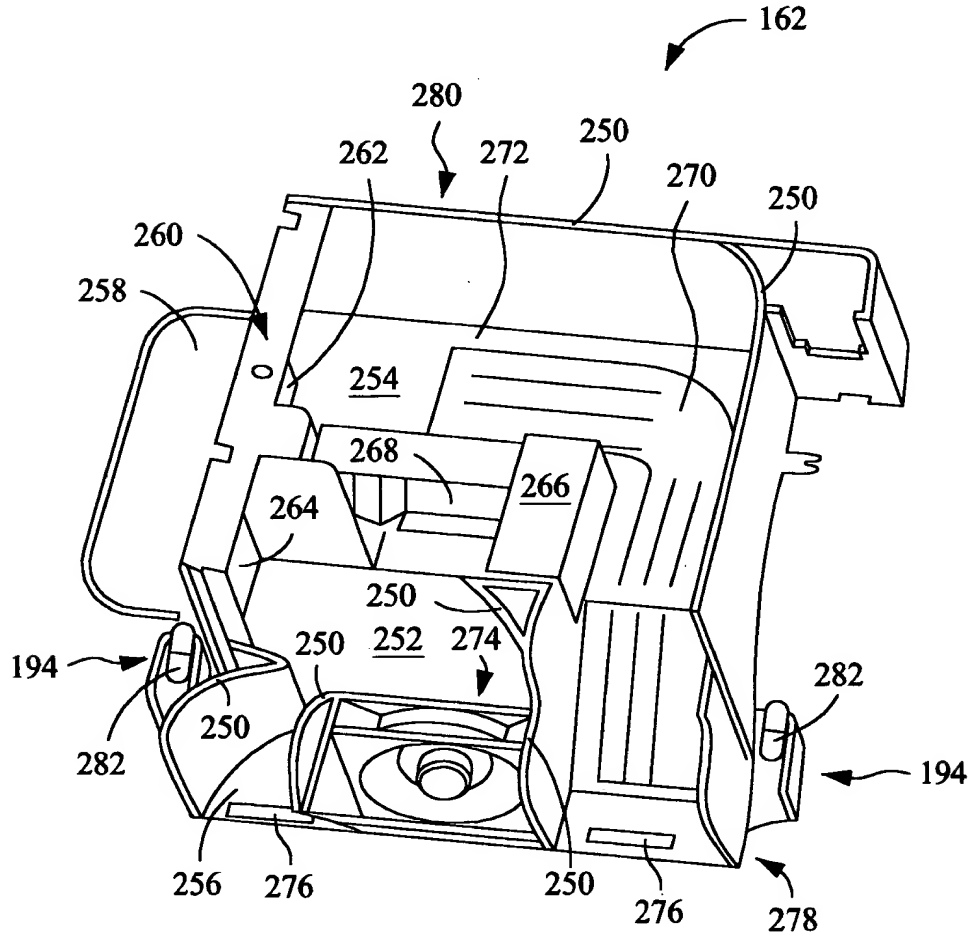


FIG. 4

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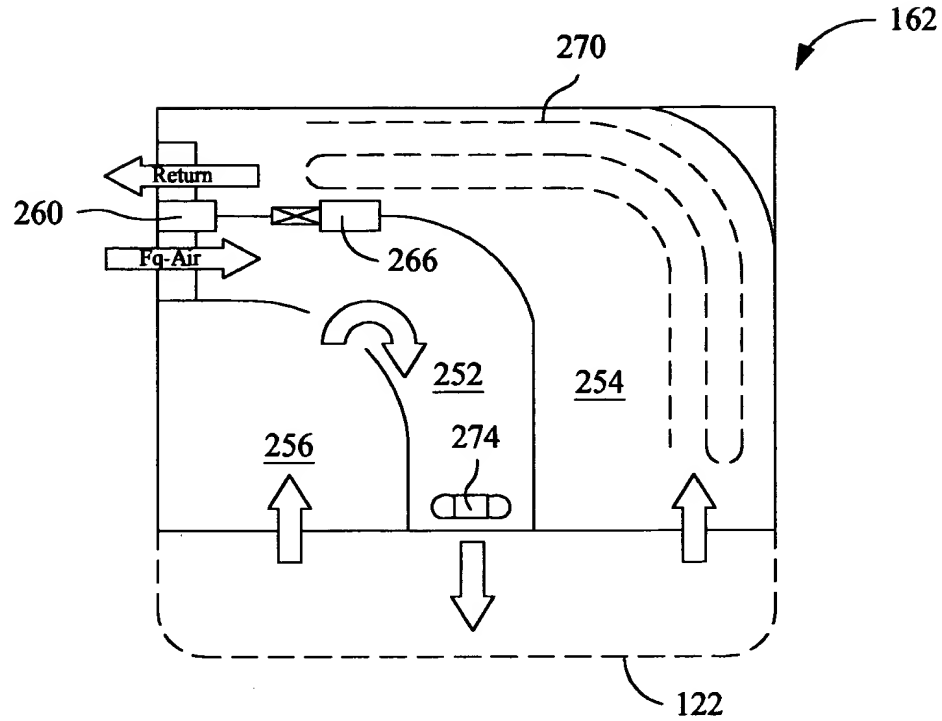


FIG. 5

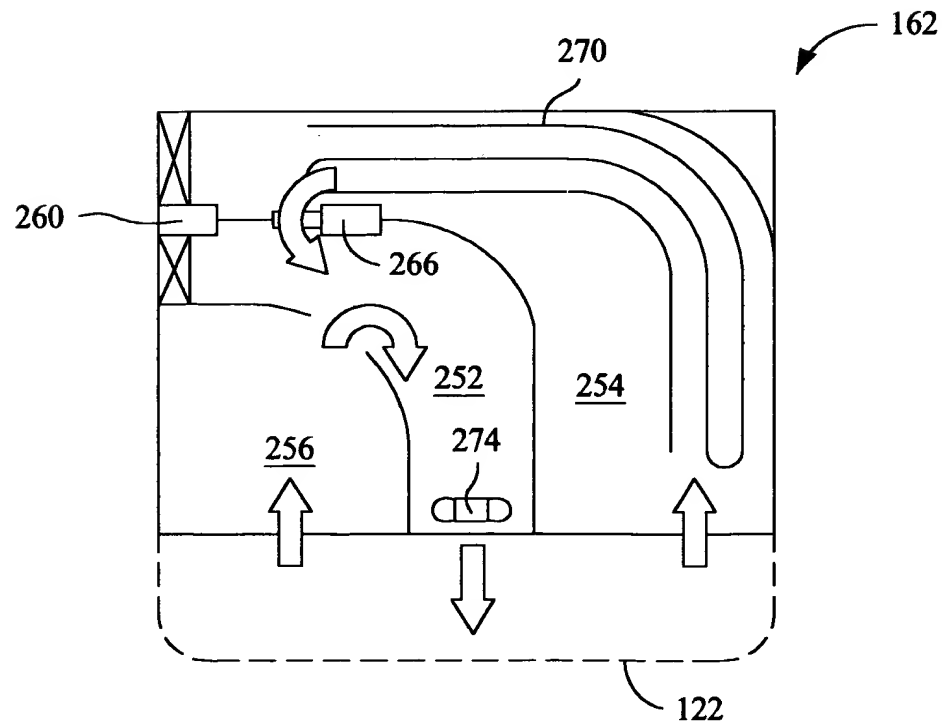


FIG. 6

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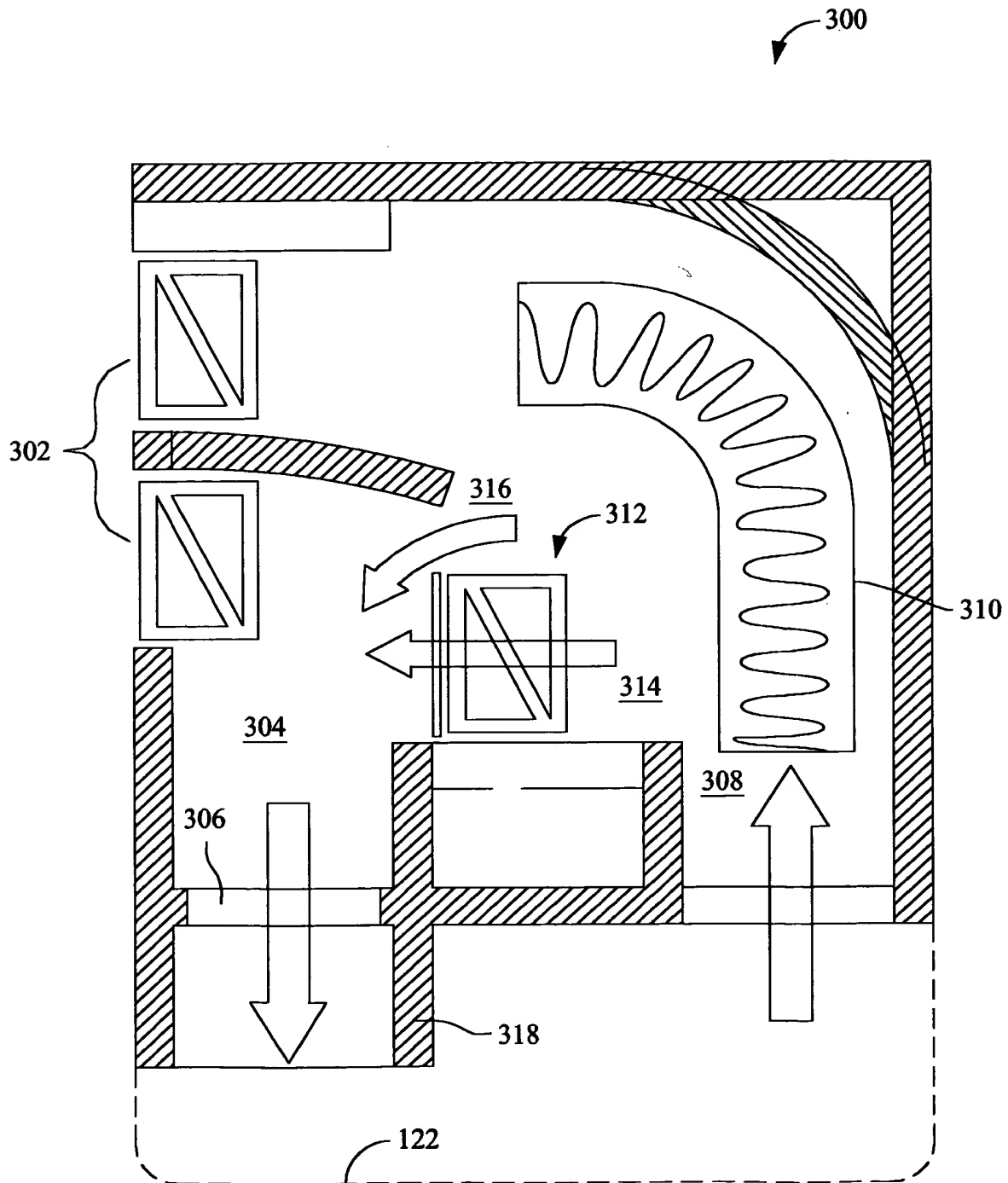


FIG. 7

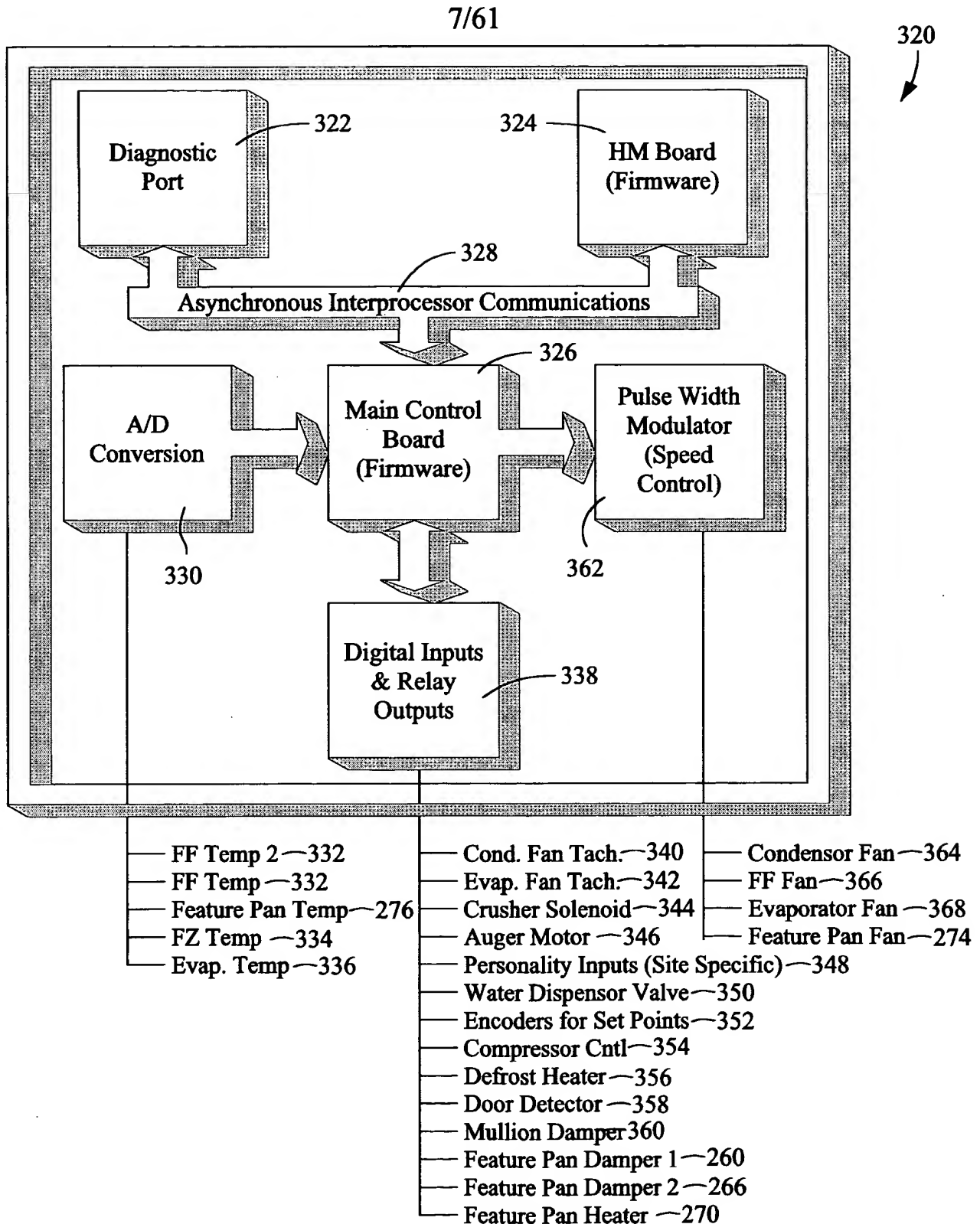


FIG. 8

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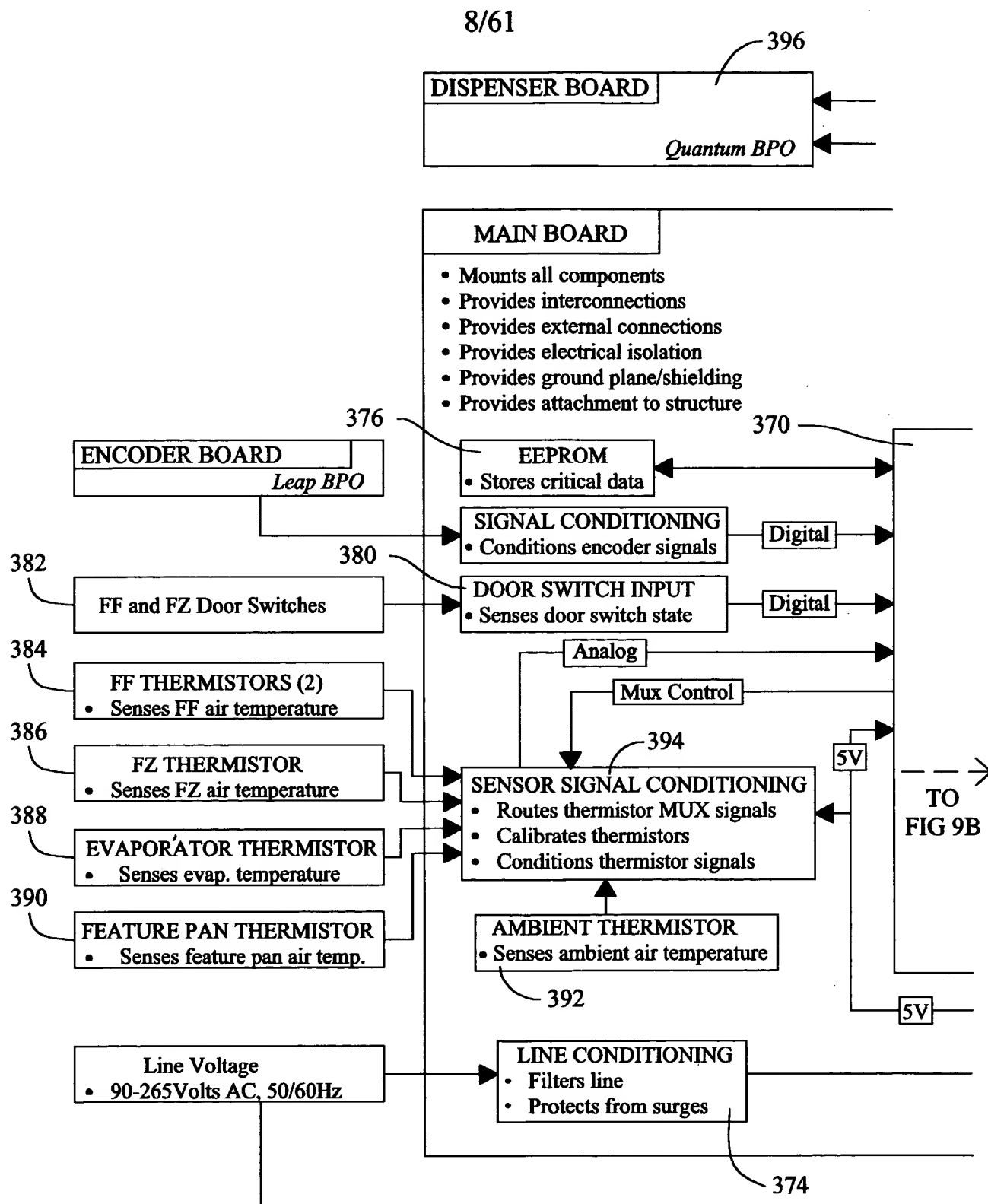
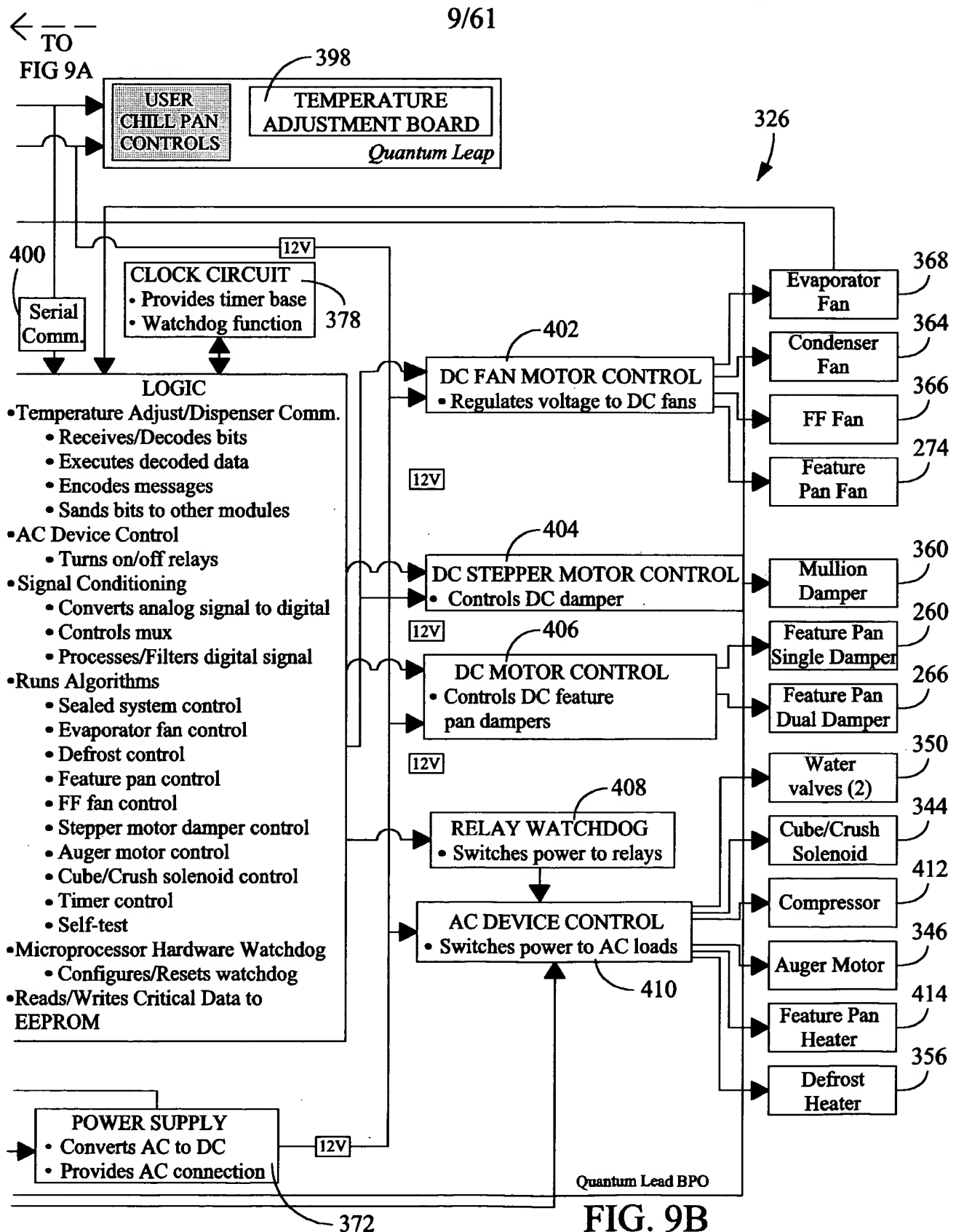


FIG. 9A





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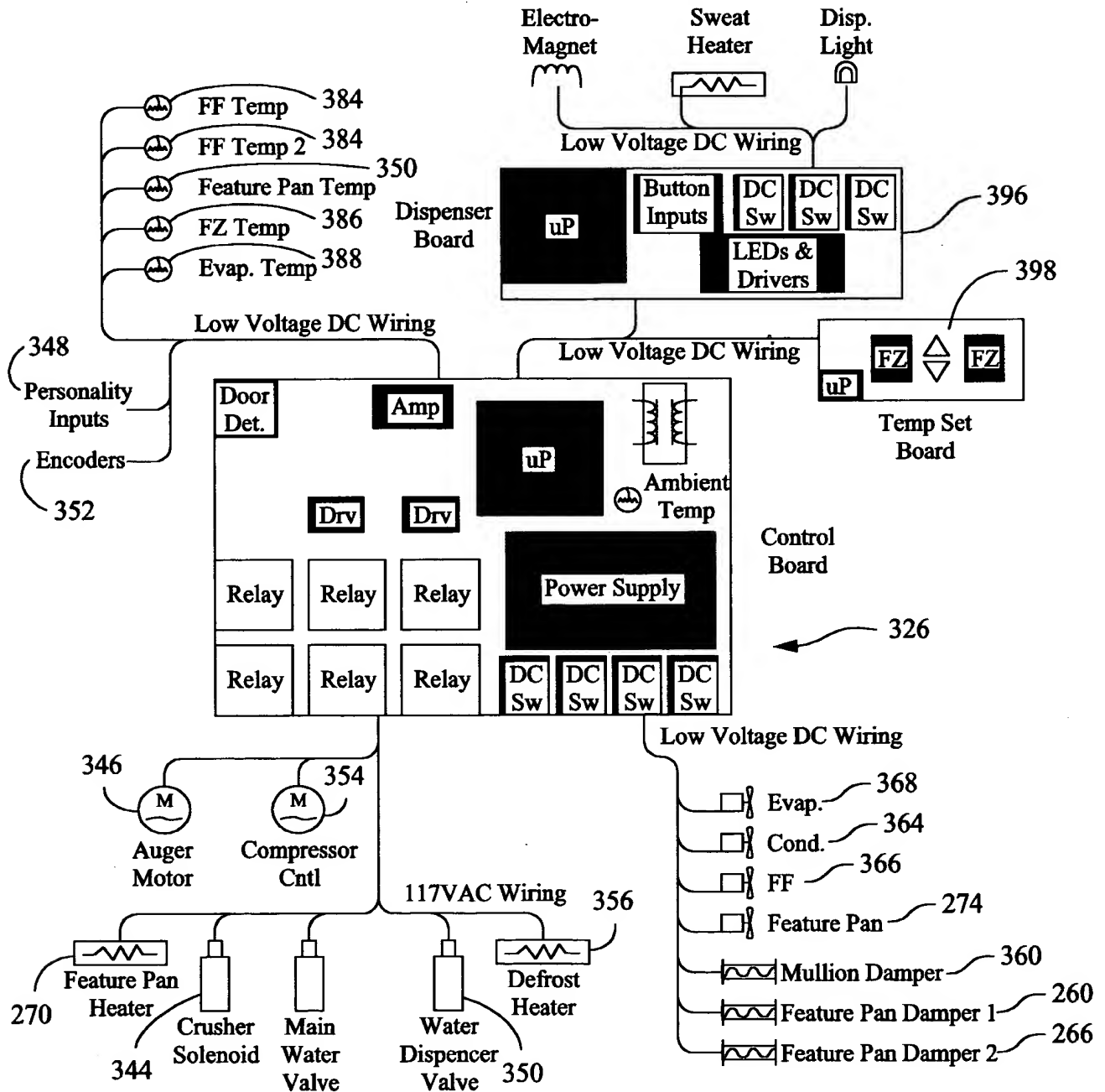


FIG. 10

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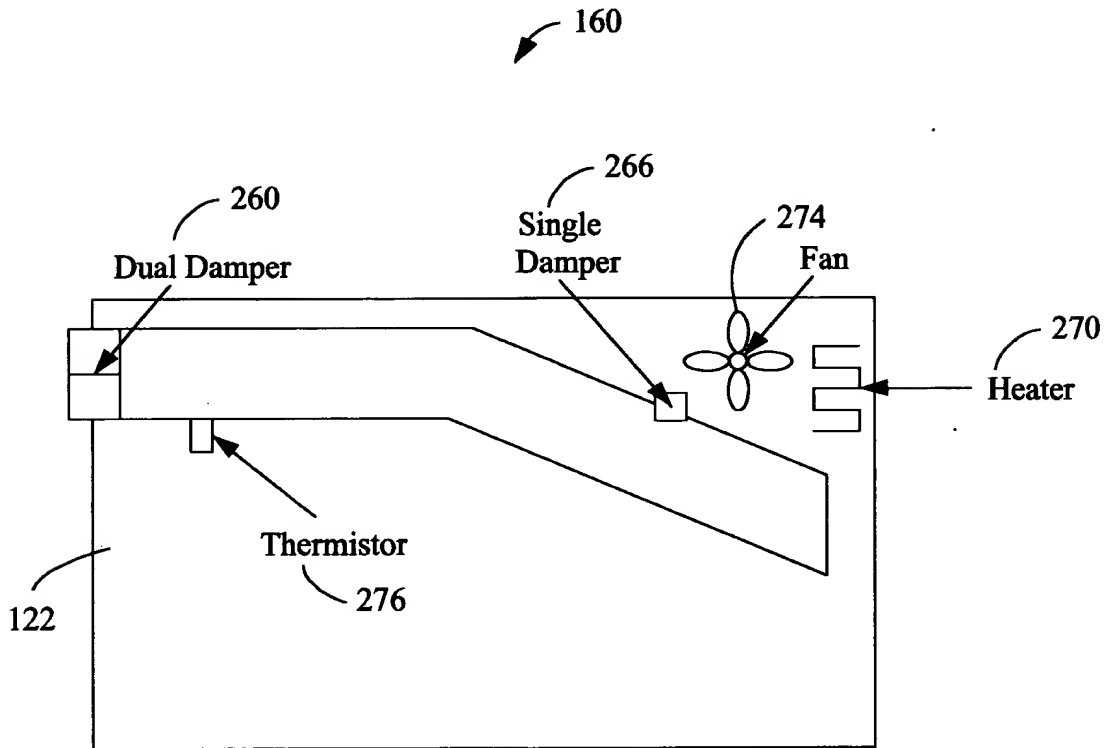


FIG. 11

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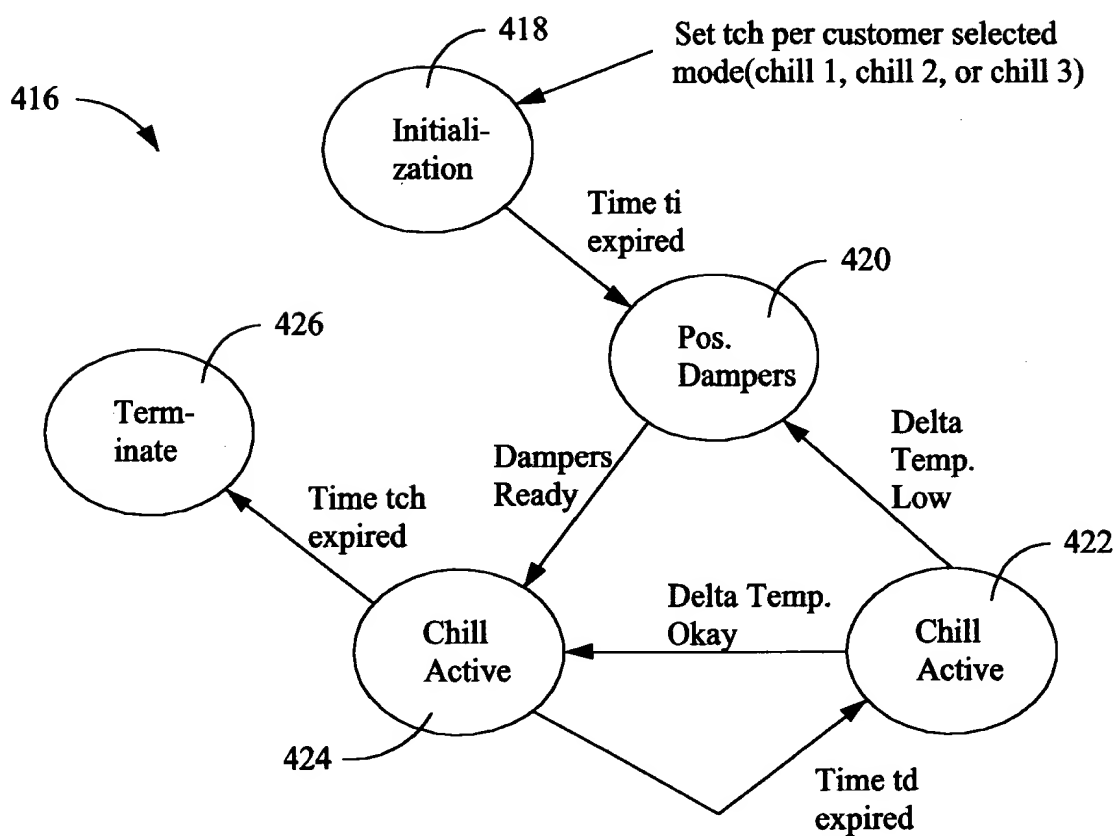
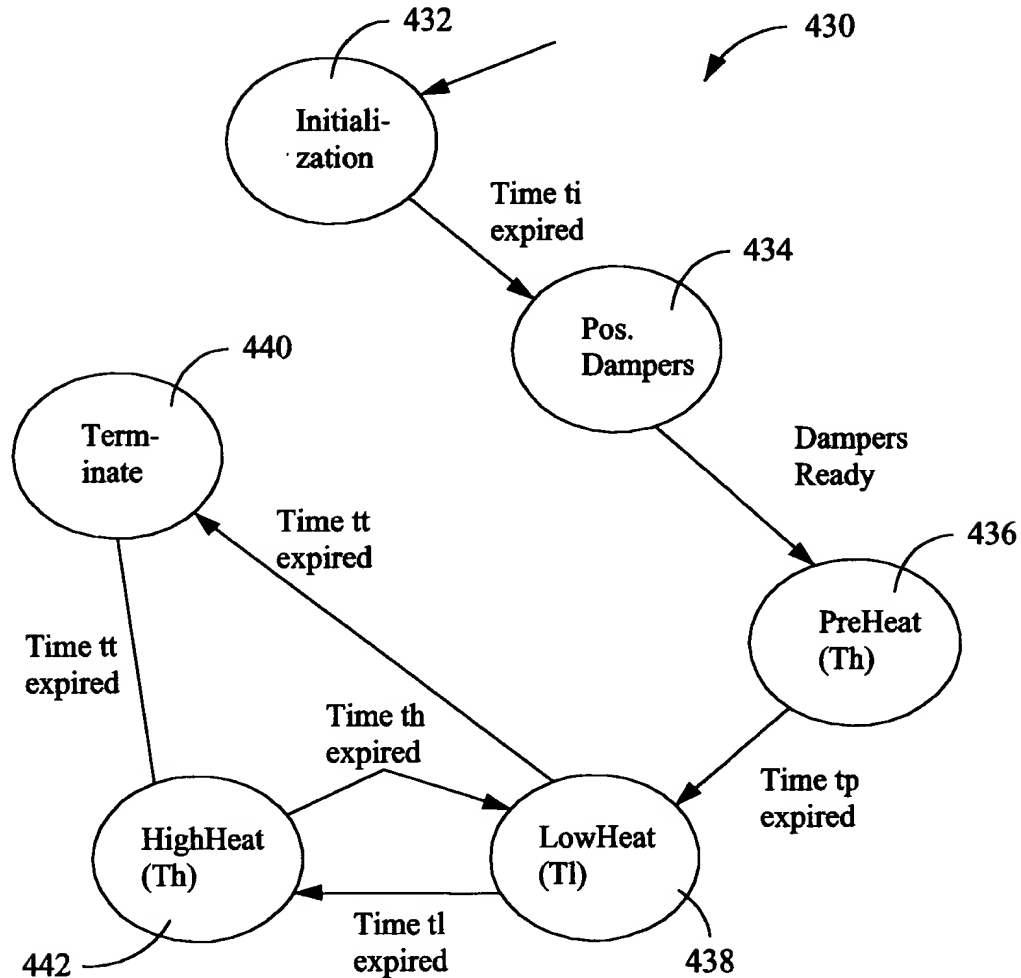


FIG. 12

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**Initialization:** Shuts off heater and turns on fan. This mode is implemented so that the customer interface LED that is wired in parallel with the fan will turn on as soon as the button is hit. Time ti is the initialization time and will typically be approximately one minute.

**Pos. Dampers:** This state shuts off the fan, sets the single damper open then closes the dual damper. It then turns the fan back on. This is done for power management

**PreHeat:** This state regulates the pan temperature

**LowHeat**

**HighHeat:**

**Terminate:** This mode closes both dampers and shuts off the fan then returns to idle.

FIG. 13

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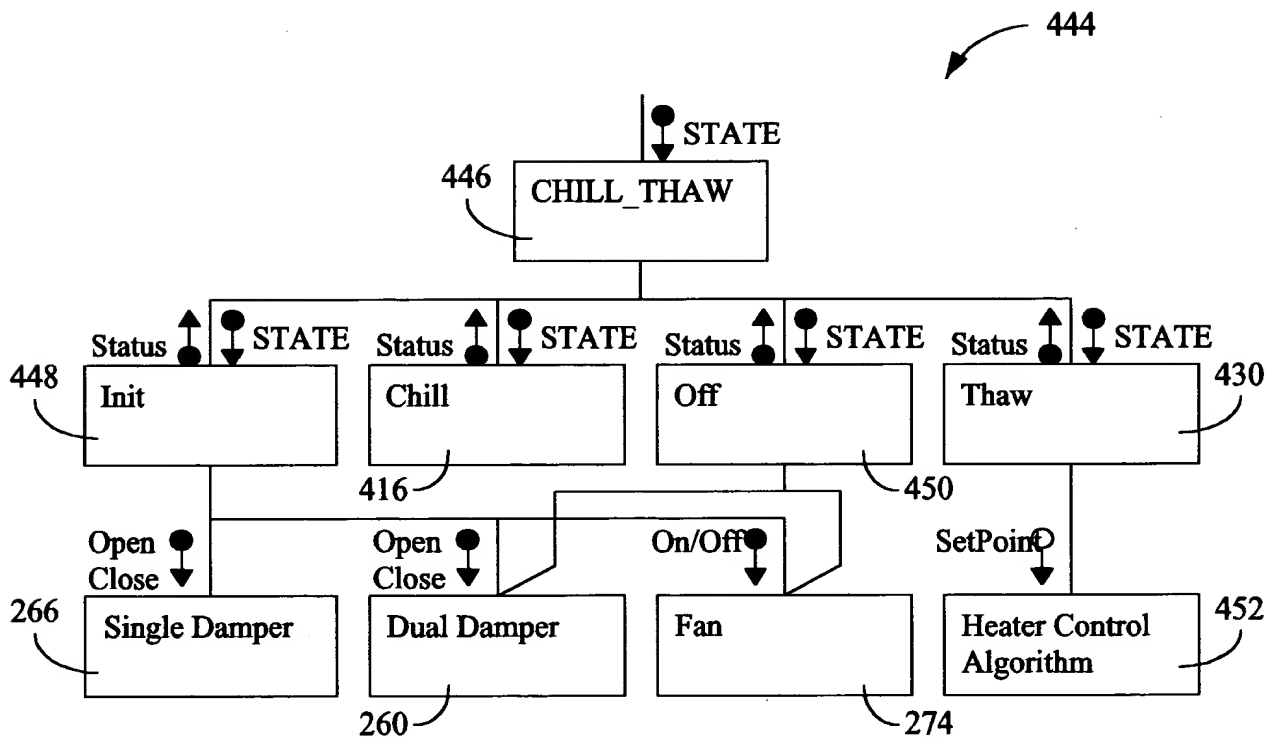
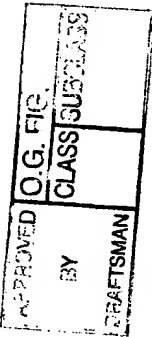


FIG. 14



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← TO  
FIG 16A

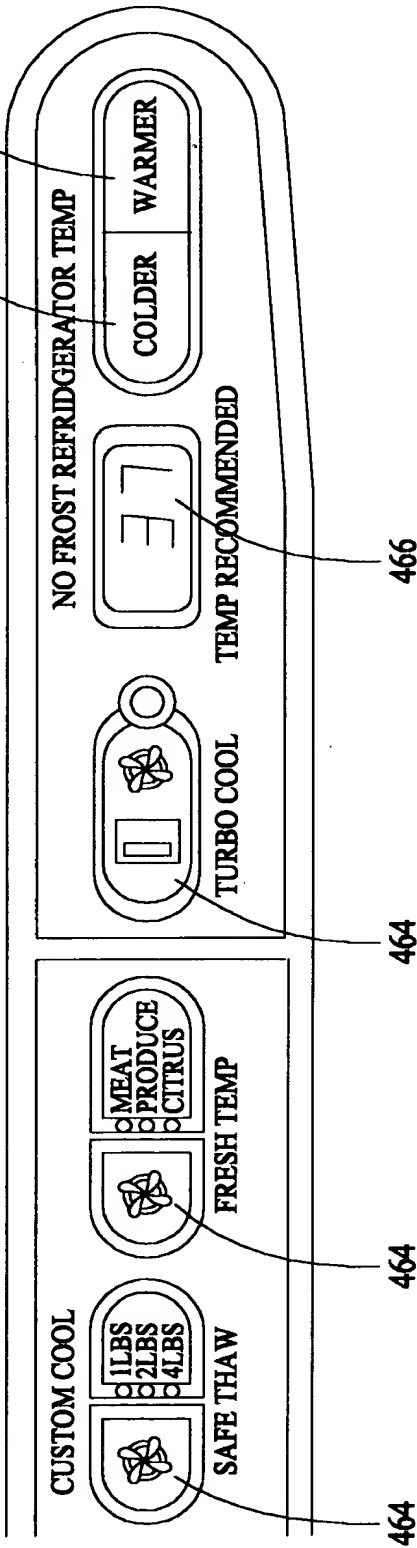
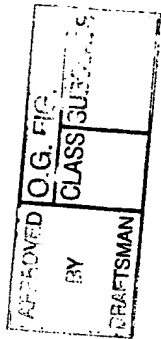


FIG. 16B



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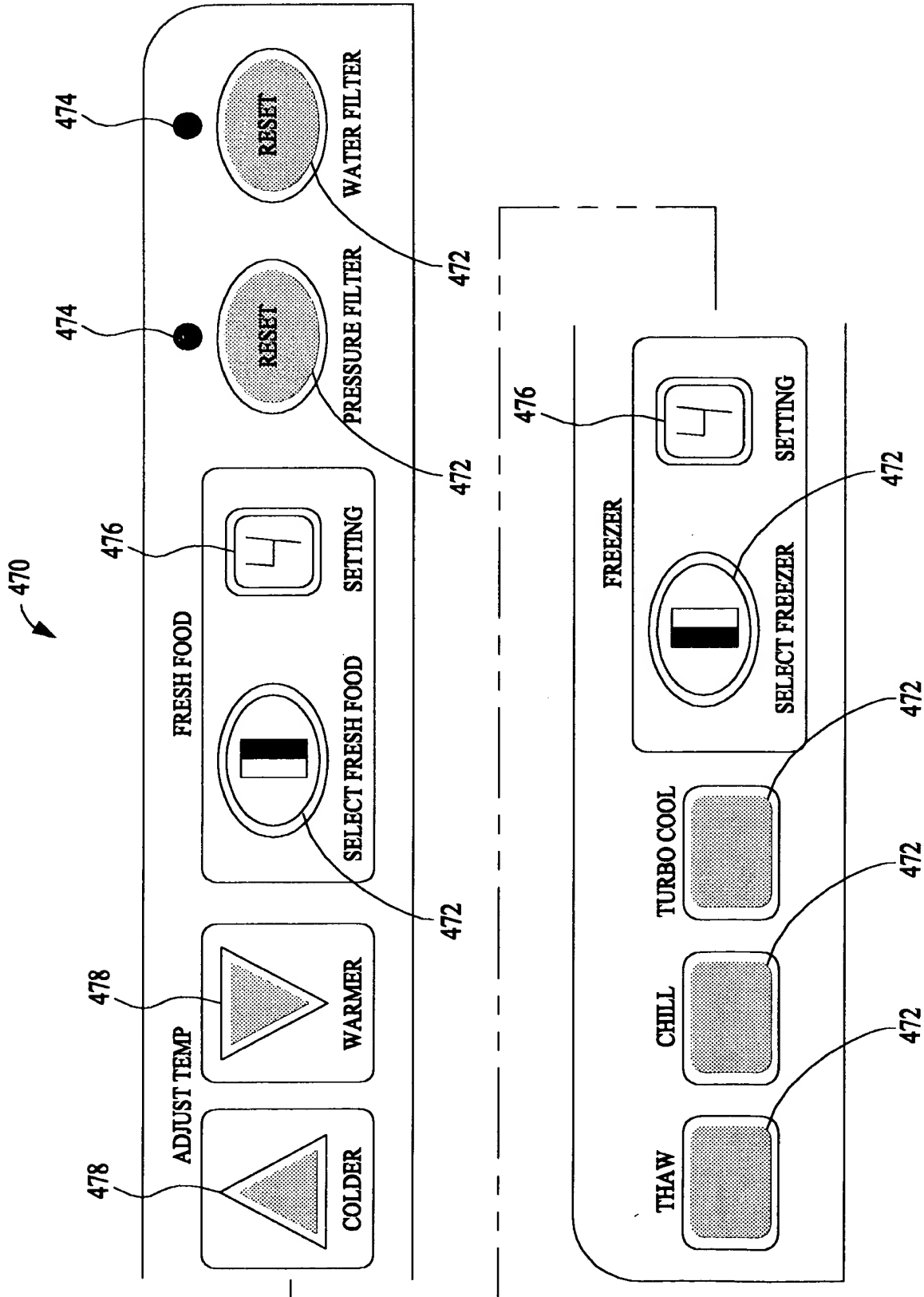


FIG. 17





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Sealed System Assumptions:

- No SS Failures
- No Sensor Failures

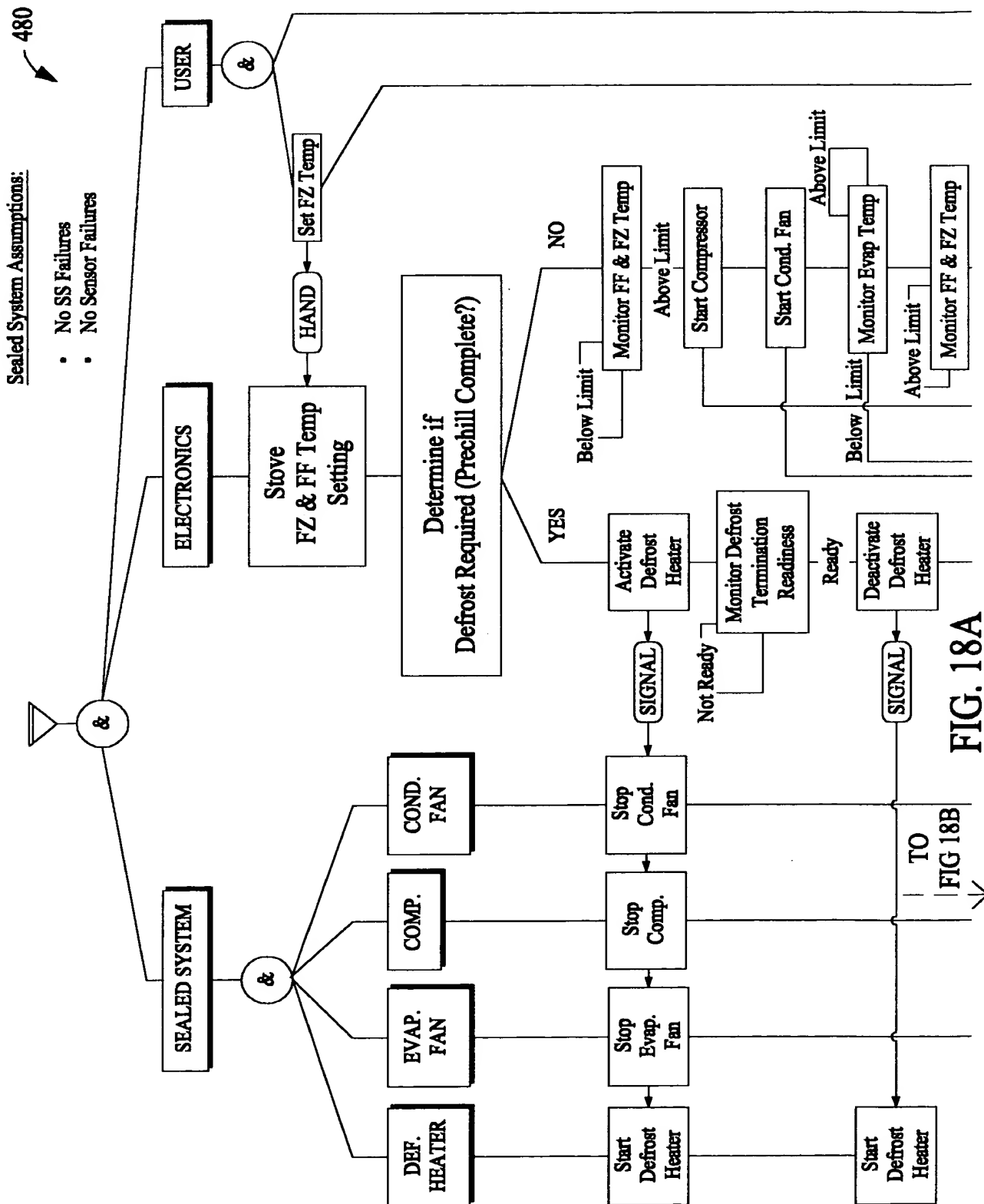
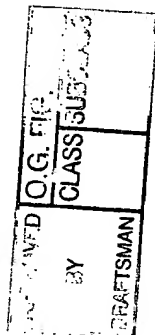


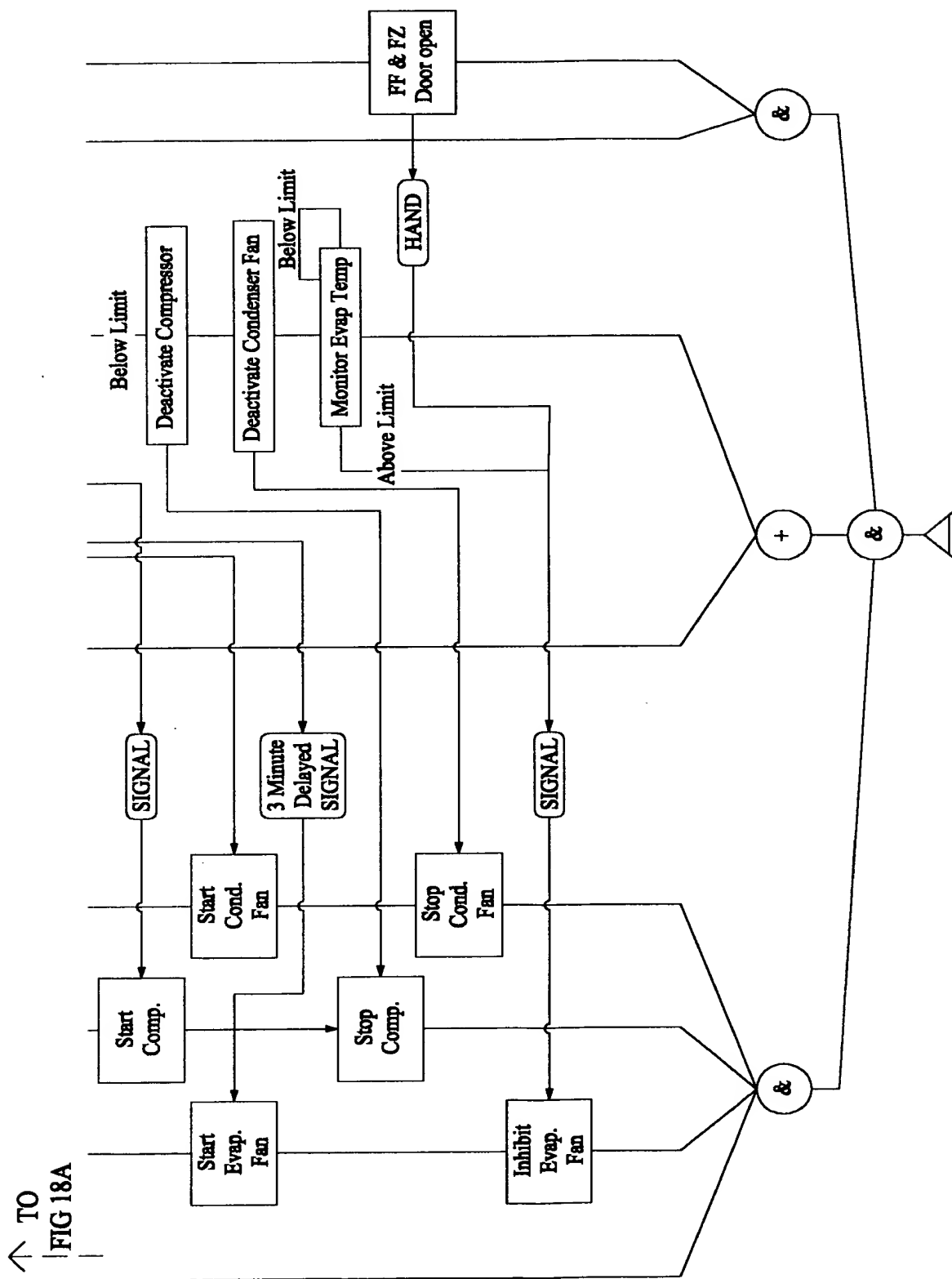
FIG. 18A

TO  
FIG 18B



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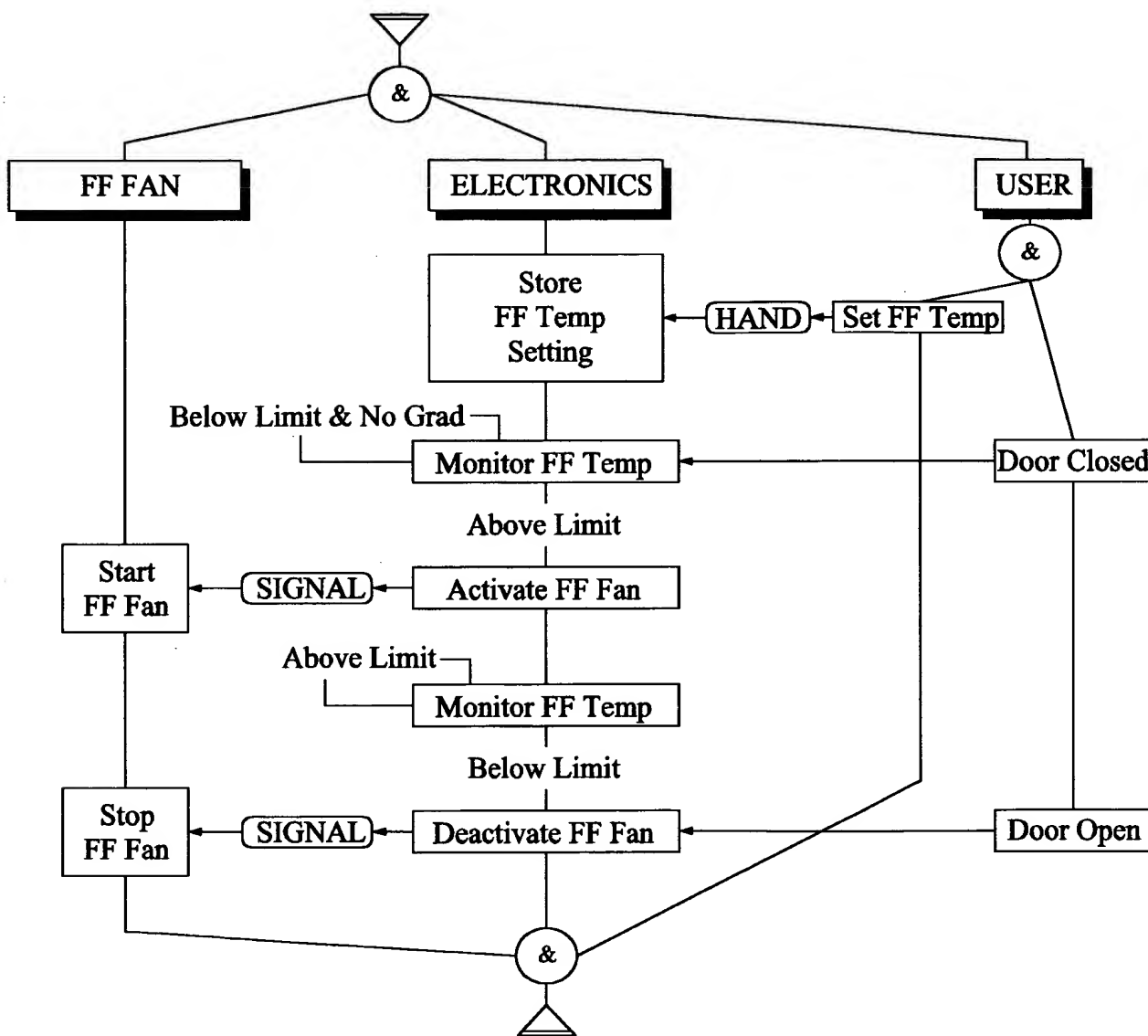
### Sealed System Behavior Diagram

**FIG. 18B**

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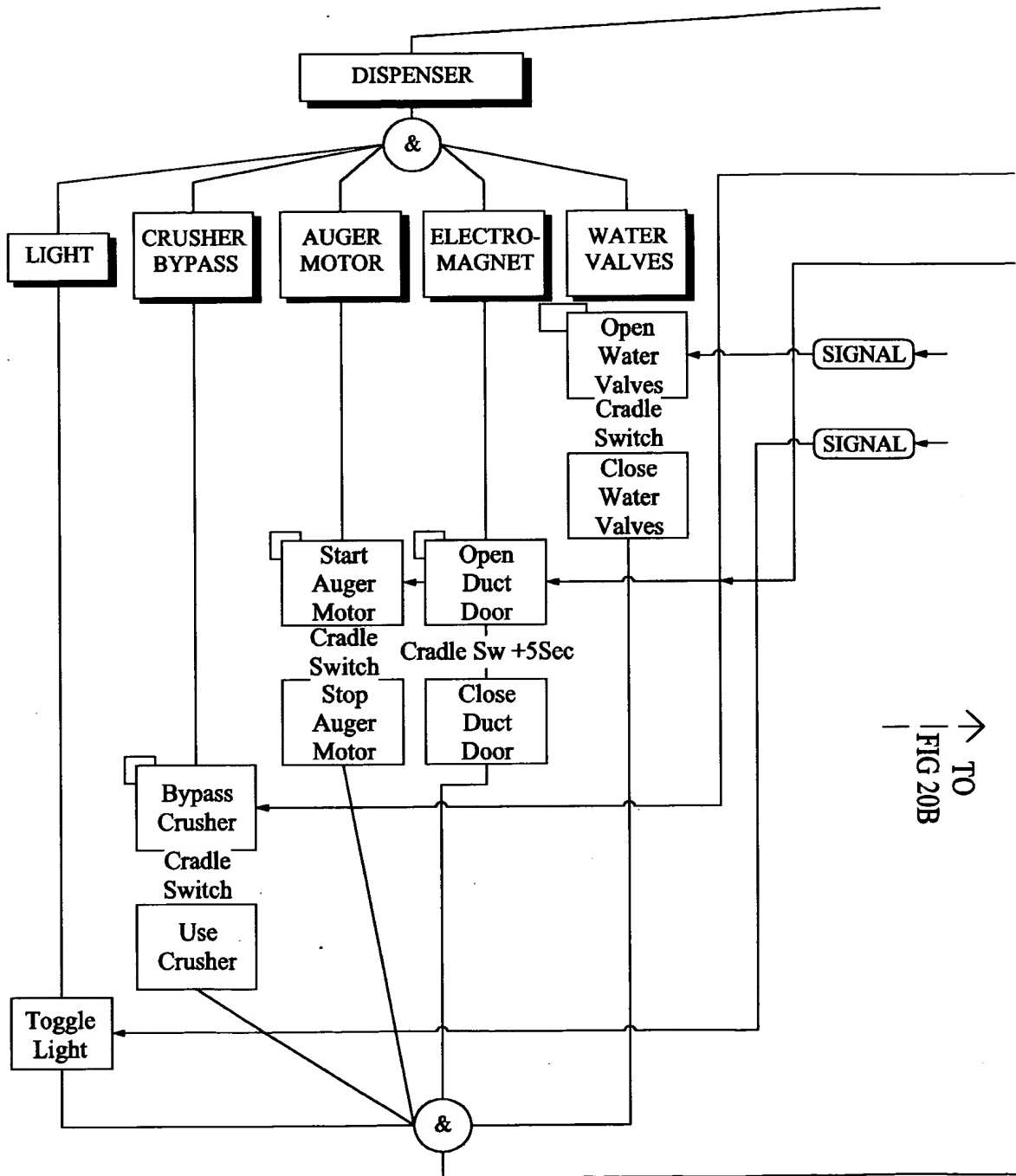
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Fresh Food Fan Behavior Diagram

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 O.G. FIG. CLASS 650.000.000

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TO  
 FIG 20B

FIG. 20A

Dispenser Behavior

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- **No Sensor Failures**

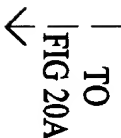


FIG. 20B

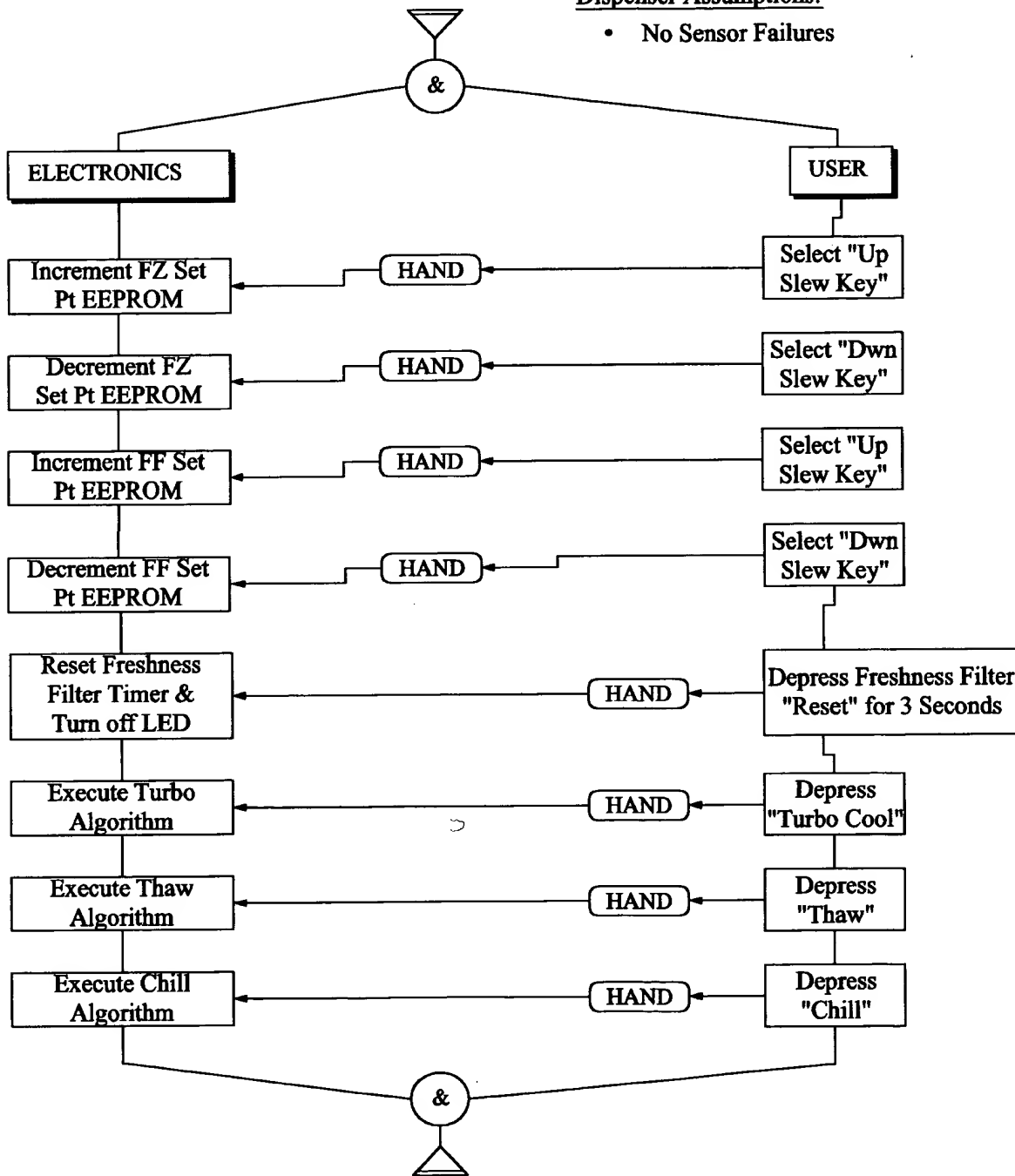
RECEIVED  
 BY  
 CRAFTSMAN  
 O.G. FIG.  
 CLASS SURCLASS

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Dispenser Assumptions:

- No Sensor Failures



HMI Behavior

FIG. 21